

## EAST Search History

| Ref #    | Hits  | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|----------|-------|---|-----------------|------------------|---------|------------------|
| L2       | 343   | (input adj luminance) SAME (output adj luminance)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 15:29 |
| L5       | 93    | 2 and (dynamic adj range)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 15:31 |
| L6       | 66    | 5 and @ad<="20031211"   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 15:31 |
| L7       | 27    | 5 not 6   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 15:31 |
| L8       | 524   | (input adj (luminance lightness brightness luminosity luma)) SAME (output adj (luminance lightness brightness luminosity luma))   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 17:43 |
| L9       | 150   | 8 and (dynamic adj range)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 17:43 |
| L11      | 57    | 9 not 5   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 17:44 |
| L12      | 30    | 11 and @ad<="20031211"  | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 17:44 |
| L13      | 27    | 11 not 12   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 17:44 |
| L14      | 374   | 8 not (6 7 12 13)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:02 |
| L16      | 76    | 14 SAME (blend\$3 mix\$4 ratio scal\$3 weight\$3)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:03 |
| L17      | 48    | 16 and @ad<="20031211"  | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:04 |
| L18      | 28    | 16 not 17   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:04 |
| L19      | 10161 | (input with (luminance lightness brightness luminosity luma)) SAME (output with (luminance lightness brightness luminosity luma)) | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:43 |
| L20      | 9935  | 19 not (6 7 12 13 17 18)  | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 18:44 |
| L26      | 750   | 20 SAME (blend\$3 mix\$4 weight\$3)   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 19:08 |
| L28      | 74    | 26 and (dynamic adj range)  | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 19:08 |
| L29      | 56    | 28 and @ad<="20031211"  | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 19:09 |
| L30      | 18    | 28 not 29   | US-PGPUB; USPAT | OR               | ON      | 2008/08/16 19:09 |
| S18<br>1 | 54    | (BALA with RAJA).in.  | US-PGPUB; USPAT | OR               | ON      | 2008/08/04 16:38 |

## EAST Search History

|          |       |                                  |                    |    |    |                  |
|----------|-------|----------------------------------|--------------------|----|----|------------------|
| S18<br>2 | 36    | S181 and (luminance lightness)   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:38 |
| S18<br>3 | 18    | S181 NOT S182                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:39 |
| S18<br>4 | 20425 | (XEROX with CORPORATION).as.     | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:39 |
| S18<br>5 | 27683 | (XEROX).as.                      | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:40 |
| S18<br>6 | 3772  | (chrominance and luminance).clm. | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:40 |
| S18<br>7 | 57    | (S181 S184 S185) and S186        | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:40 |
| S18<br>8 | 48    | S187 not S181                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S18<br>9 | 6001  | 358/1.9.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>0 | 2515  | 358/518.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>1 | 324   | 358/519.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>2 | 679   | 358/520.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>3 | 455   | 358/520.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>4 | 177   | 358/522.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>5 | 640   | 358/523.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>6 | 1733  | 382/162.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>7 | 1883  | 382/167.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>8 | 214   | 345/590.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S19<br>9 | 254   | 345/591.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>0 | 84    | 386/44.ccls.                     | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>1 | 1623  | 348/222.1.ccls.                  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>2 | 36    | 348/235.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>3 | 263   | 348/663.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>4 | 68    | 348/668.ccls.                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |

## EAST Search History

|          |       |   |                    |    |    |                  |
|----------|-------|---|--------------------|----|----|------------------|
| S20<br>5 | 12711 | S189 S190 S191 S192 S193 S194 S195<br>S196 S197 S198 S199 S200 S201 S202<br>S203 S204 | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:41 |
| S20<br>6 | 5564  | ((lightness luminance) with (compress\$3<br>expan\$4)                                 | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:42 |
| S20<br>7 | 452   | ((lightness luminance) with (compress\$3<br>expan\$4)) and gamut                      | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:42 |
| S20<br>8 | 198   | S207 and S205   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:43 |
| S20<br>9 | 123   | S208 and @ad<="20031211"  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:43 |
| S21<br>0 | 75    | S208 not S209   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:44 |
| S21<br>1 | 254   | S207 not (S209 S210)  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:44 |
| S21<br>2 | 125   | S211 and ("358".clas. "382".clas. "345".<br>clas. "386".clas. "348".clas.)            | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:44 |
| S21<br>3 | 60    | S212 and @ad<="20031211"  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:45 |
| S21<br>4 | 65    | S212 not S213   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:45 |
| S21<br>5 | 129   | S207 not (S209 S210 S213 S214)  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:45 |
| S21<br>6 | 43    | S215 and @ad<="20031211"  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:45 |
| S21<br>7 | 86    | S215 not S216   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:46 |
| S21<br>8 | 0     | S207 not (S209 S210 S213 S214 S216<br>S217)   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:46 |
| S21<br>9 | 5112  | S206 not S207   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:47 |
| S22<br>0 | 438   | S219 and S205   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:47 |
| S22<br>1 | 329   | S220 and @ad<="20031211"  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:47 |
| S22<br>2 | 109   | S220 not S221   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:48 |
| S22<br>3 | 4674  | S206 not (S207 S221 S222)   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:48 |
| S22<br>7 | 1398  | ((lightness luminance) with dynamic with<br>range\$1                                  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:52 |
| S22<br>8 | 254   | S223 and S227   | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:53 |
| S22<br>9 | 171   | S228 and @ad<="20031211"  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/04 16:53 |

## EAST Search History

|          |      |  |                              |    |    |                  |
|----------|------|--|------------------------------|----|----|------------------|
| S23<br>0 | 83   | S228 not S229  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:54 |
| S23<br>1 | 4420 | S206 not (S207 S221 S222 S229 S230)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:54 |
| S23<br>3 | 1101 | S231 and (chroma chrominance saturation) and filter\$3 and (blend\$3 mix\$3 weight\$3 averag\$3)                         | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:58 |
| S23<br>5 | 931  | S233 and ("358".clas. "382".clas. "345". clas. "386".clas. "348".clas.)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:58 |
| S23<br>6 | 788  | S235 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:59 |
| S23<br>7 | 143  | S235 not S236  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 16:59 |
| S23<br>8 | 170  | S233 not (S236 S237)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:00 |
| S23<br>9 | 96   | S238 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:01 |
| S24<br>0 | 74   | S238 not S239  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:01 |
| S24<br>1 | 0    | S233 not (S236 S237 S239 S240)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:01 |
| S24<br>2 | 3319 | S206 not (S207 S221 S222 S229 S230 S236 S237 S239 S240)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:02 |
| S24<br>3 | 1174 | S242 and (chroma chrominance saturation)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:02 |
| S24<br>4 | 906  | S243 and ("358".clas. "382".clas. "345". clas. "386".clas. "348".clas.)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:02 |
| S24<br>5 | 700  | S244 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:02 |
| S24<br>6 | 206  | S244 not S245  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:02 |
| S24<br>7 | 268  | S243 not (S245 S246)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:03 |
| S24<br>8 | 177  | S247 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:03 |
| S24<br>9 | 91   | S247 not S248  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:03 |
| S25<br>0 | 0    | S243 not (S245 S246 S248 S249)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:04 |
| S25<br>1 | 2145 | S206 not (S207 S221 S222 S229 S230 S236 S237 S239 S240 S245 S246 S248 S249)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 17:04 |
| S25<br>3 | 19   | ("5414538"   "5477305"   "5611030"   "5617116"   "5649072"   "5710824"   "5739927"   "6043909").PN. OR ("6342951").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/04 18:32 |

## EAST Search History

|          |      |  |                              |    |    |                  |
|----------|------|--|------------------------------|----|----|------------------|
| S25<br>4 | 20   | ("5239370"   "5410617"   "5420704"   "5521723").PN. OR ("5809164").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/04 18:57 |
| S25<br>5 | 1398 | (lightness luminance) with dynamic with range\$1   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:21 |
| S25<br>6 | 720  | (lightness luminance) with (clip\$4)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:22 |
| S25<br>7 | 1523 | (S255 S256) not (S207 S221 S222 S229 S230 S236 S237 S239 S240 S245 S246 S248 S249)               | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:22 |
| S25<br>8 | 234  | S257 and S205  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:22 |
| S25<br>9 | 168  | S258 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:23 |
| S26<br>0 | 66   | S258 not S259  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:23 |
| S26<br>1 | 1289 | S257 not (S259 S260)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:23 |
| S26<br>3 | 341  | S261 and (chroma chrominance saturation) and filter\$3 and (blend\$3 mix\$3 weight\$3 averag\$3) | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:24 |
| S26<br>4 | 243  | S263 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:25 |
| S26<br>5 | 98   | S263 not S264  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:25 |
| S26<br>6 | 948  | S257 not (S259 S260 S264 S265)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:26 |
| S26<br>7 | 243  | S266 and (chroma chrominance saturation)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:26 |
| S26<br>8 | 180  | S267 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:26 |
| S26<br>9 | 63   | S267 not S268  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:27 |
| S27<br>0 | 705  | S257 not (S259 S260 S264 S265 S268 S269)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:27 |
| S27<br>1 | 515  | S270 and ("358".clas. "382".clas. "345". clas. "386".clas. "348".clas.)                          | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:28 |
| S27<br>2 | 319  | S271 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:28 |
| S27<br>3 | 196  | S271 not S272  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:29 |
| S27<br>4 | 190  | S257 not (S259 S260 S264 S265 S268 S269 S272 S273)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:30 |
| S27<br>5 | 104  | S274 and @ad<="20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:30 |

## EAST Search History

|          |      |   |                              |    |    |                  |
|----------|------|---|------------------------------|----|----|------------------|
| S27<br>6 | 86   | S274 not S275   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:30 |
| S27<br>7 | 0    | S257 not (S259 S260 S264 S265 S268<br>S269 S272 S273 S275 S276)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:31 |
| S27<br>8 | 39   | S253 S254   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:33 |
| S27<br>9 | 35   | S278 and @ad<= "20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:33 |
| S28<br>0 | 4    | S278 NOT S279   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 20:33 |
| S28<br>1 | 2339 | (lightness luminance) with range\$1 with<br>((output with device) printer\$1 display\$1<br>monitor\$1 tv television\$1 CRT LCD)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 09:43 |
| S28<br>2 | 230  | S281 SAME (clip\$4 compress\$3 expan\$4)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 09:44 |
| S28<br>3 | 136  | S282 and @ad<= "20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 09:44 |
| S28<br>4 | 94   | S282 not S283   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 09:44 |
| S28<br>5 | 232  | ((mix\$3 blend\$3) with function) SAME<br>(lightness luminance)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 14:18 |
| S28<br>6 | 164  | S285 and @ad<= "20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 14:18 |
| S28<br>7 | 68   | S285 not S286   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 14:18 |
| S28<br>8 | 11   | ("4780762"   "5247366"   "5343254"  <br>"5638138"   "5930402"   "6288755"  <br>"6459458"   "6611627").PN. OR<br>("6771320").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05 14:26 |
| S28<br>9 | 1323 | ((mix\$3 blend\$3 scal\$3 weight\$3) with<br>function) SAME (lightness luminance)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 15:55 |
| S29<br>0 | 1091 | S289 not S285   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 15:55 |
| S29<br>1 | 684  | S290 and @ad<= "20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 15:55 |
| S29<br>2 | 407  | S290 not S291   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 15:56 |
| S29<br>4 | 1975 | ((mix\$3 blend\$3 scal\$3 weight\$3) with<br>function) SAME (TRC (tone with<br>reproduction) gamma)                               | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 15:59 |
| S29<br>9 | 365  | (S294 not (S285 S289)) and (lightness<br>luminance brightness)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 16:01 |
| S30<br>0 | 233  | S299 and @ad<= "20031211"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 16:01 |
| S30<br>1 | 132  | S299 not S300   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05 16:01 |

## EAST Search History

|          |    |   |                              |    |    |                  |
|----------|----|---|------------------------------|----|----|------------------|
| S30<br>2 | 10 | ("5734802"   "5872895"   "6342951"  <br>"6427030").PN. OR ("6744534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05 16:09 |
|----------|----|---|------------------------------|----|----|------------------|